

NONCOAL
MR Form 3
(Revised 1987)

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**DIVISION OF
OIL, GAS & MINING**

ANNUAL OPERATIONS AND PROGRESS REPORT

1986

(This report must be submitted to the Division by ^{APRIL 30}~~March 31~~, 1987.)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203
(801) 538-5340

OPERATOR: CONTINENTAL LIME INC. MINE NAME: CRICKET MOUNTAIN LIME PLANT

ADDRESS: P.O. BOX 255 DELTA, UTAH 84624
32 MILES S.W. OF DELTA

PERMIT NUMBER AND DATE OF PERMIT: ACT/027/006

REPRESENTATIVE: DONALD G. WAKIN

SECTION(S): 25 & 26 TOWNSHIP(S): 215 RANGE(S): 10W

MINERAL(S) MINED: LIMESTONE

Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, requires each operator to include with this report an up-dated map and plan prepared in accordance with Rule M-3, as outlined in the requirements for annual report maps in Appendix I, providing a detailed status of all mining and reclamation activities which have occurred during the past year.

The report should include:

MINING:

(a) Tabulation of acreage disturbed (by pits, roads, facilities, etc.) during the report period with illustration on a current map.

<u>Disturbance</u>	<u>Acreage</u>
Pit	<u>2.5</u>
Roads	<u>0</u>
Facilities	<u>-</u>
Waste Dumps	<u>1.0</u>
Other	<u>-</u>

(b) Tabulation of acreage affected to date (by years).

<u>Date by Year</u>	<u>Acreage (Total)</u>
1975	_____
1976	_____
1977	_____
1978	_____
1979	_____
1980	_____
1981	_____
1982	_____
1983	_____
1984	_____
1985	_____
1986	_____

(c) Tabulation of all topsoil (new) stockpile volumes (see chart below) and date of stockpiling.

SOIL TABULATION CHART

Area Affected (in mining sequence) (If more space is needed, please attach.)	Area			
	1	2	3	etc.
Acreage of Area	_____	_____	_____	_____
Depth of Topsoil Removal (inches)	_____	_____	_____	_____
Depth of Topsoil Replacement (inches)*	_____	_____	_____	_____
Estimate of Topsoil Volume Salvaged (yd ³ or ac ft)	_____	_____	_____	_____
Volume Actually Salvaged (yd ³ or ac ft)	_____	_____	_____	_____
Volume Required for Reclamation (yd ³ or ac ft)	_____	_____	_____	_____
Surplus or Deficit Volume (yd ³ or ac ft)	_____	_____	_____	_____
Storage Status (short- or long-term)	_____	_____	_____	_____
Storage Location	_____	_____	_____	_____
Area Where Soil Has Been Used (if not stored)	_____	_____	_____	_____
Running Total (all stockpiles) (yd ³ or ac ft)	_____	_____	_____	_____
Short-term	_____	_____	_____	_____
Long-term	_____	_____	_____	_____

*Of previously stripped area recently reclaimed.

(d) Tabulation of all (newly removed) out-of-pit spoil volumes, date of placement and illustration on a map.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>
N/A		

(e) Tabulation of quantity of commodity mined.

	<u>Commodity</u>	<u>Tonnage</u>
(Mined)	LIMESTONE	459,077
(Milled)		

(f) Description of any new construction during the report period with illustration on a map, including, but not limited to:

1. Buildings and support facilities.
NONE

2. Roads.
NONE

3. Diversion ditches, collector ditches, interceptor ditches, etc.
NONE

4. Culverts.
NONE

5. Sediment ponds, containment ponds.
NONE

6. Monitoring sites (vegetative, air quality, surface subsidence, surface water or ground water, etc.).
NONE

7. Topsoil stockpiles.
NONE

(g) Description of any environmental problem areas with a proposed plan for mitigation and illustration on a map, including, but not limited to:

1. Pit stability problems.
NONE

2. Subsidence.
NONE

3. Accidental water discharge, dam failure, etc.
NONE

4. Slumping, sliding or erosion.
NONE

5. Revegetation problem areas.
NONE

6. Existence and location of unsuitable (toxic) overburden.
NONE

RECLAMATION:

(a) Tabulation of the acreage reclaimed during the report period with illustration on a map, distinguishing between:

1. Backfilled, graded and contoured areas.

<u>Area</u>	<u>Acreage</u>
NONE	

2. Topsoiled areas.

<u>Area</u>	<u>Acreage</u>
NONE	

3. Seeded areas.

<u>Area</u>	<u>Acreage</u>
NONE	

4. Reseeded areas (areas previously seeded, then seeded again).

<u>Area</u>	<u>Acreage</u>
NONE	

(b) Tabulation of total acreage reclaimed (seeded with permanent seed mix) to date by years with illustration on an updated map:

<u>Year</u>	<u>Acreage</u>
1975	
1976	
1977	
1978	
1979	
1980	NONE
1981	NONE
1982	NONE
1983	NONE
1984	NONE
1985	NONE
1986	NONE

(c) Description of the reclamation procedures used during the report period, including:

1. Average depth of topsoil applied.
N/A

2. Type of seed (species) used for seeding during the report period.
N/A

3. Date of seeding during the report period.

Spring NONE

Fall

4. Seeding procedures used.

(Hand broadcast or drilled or any other).
NONE

5. Rate of seed application.

Pounds Per Acre of Pure Live Seed (PLS) (if varied, please explain)
NONE

6. Type and rate of fertilizer applied.
NONE

7. Type and rate of mulch applied.
NONE

8. Rate of irrigation water applied, if any. Please describe any type of sprinkling, or water applied (water truck, etc.).
NONE

9. Revegetation test plot information.

(Cover, density, productivity, etc.)
NONE

10. Soil analysis results.
NONE

(d) Description of results of previous revegetation efforts, including:
(This should be done as applicable.)

1. Types (species) of seed that have germinated and are growing.
N/A

2. Types (species) of seed that are not growing successfully.
N/A

3. Areas experiencing problems with weeds and weed types.
N/A

4. Significant erosional problems.
N/A

5. Areas of unsuitable overburden on the surface as related to revegetation failure.
N/A

6. Procedures used or proposed to correct these problems.
N/A

7. Acreage and dates of release (upon inspection by the State) of revegetated areas.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>
N/A		

8. Results of soil analysis.
N/A

(e) Summarization of the reclamation costs incurred during the report period, including itemized costs for each operation (i.e., grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e., spoil, haul roads, facilities removal, etc.) on a per acre basis.

	<u>Acres</u>	<u>Cost/Acre</u>
1. Grading	N/A	
2. Backfilling	"	
3. Contouring	"	
4. Topsoil Replacement	"	
5. Seeding	"	
A. Seedbed Preparation	"	
B. Mulch	"	
C. Fertilizer	"	
D. Seed	"	
6. Other	"	

BOND INFORMATION:

- A. An updated bond estimate should be included, if required in the Division's approval of the Mining and Reclamation Plan (MRP) or if changes to the MRP have occurred, including a detailed itemization of actual/estimated reclamation costs as outlined in the RECLAMATION section above. The date of the release of revegetated areas from further responsibility for a partial bond release, if applicable, should also be included.

	<u>Amount</u>	<u>Type</u>	<u>Date Posted</u>
Present Bond	N/A		

Increased disturbance, if any:

Increased Bond Amount (attached reclamation estimate).

- B. Bond release.

<u>Acres</u>	<u>Bond Amount Released</u>	<u>Date</u>
N/A		
N/A		
N/A		
N/A		

ADDITIONAL INFORMATION:

Supply any additional information as requested by the Division related to:

- (a) Permit stipulations (status).
(b) Other special conditions (status).

APPENDIX I

ANNUAL REPORT MAPS

1. Maps must be clear and legible contour maps or recent aerial photos. The scale should be 1 inch = 500 feet to adequately show topographic features.
2. Map sheets should be of a reasonable size, not to exceed 48 inches on a side.
3. Maps must have a title block with:
 - A. Map title.
 - B. Name and address of permittee.
 - C. Permit and amendment numbers.
 - D. Annual report period.
 - E. Scale, north arrow, contour interval, date of photography, etc.
4. All maps must show:
 - A. Legal subdivisions.
 - B. Permit area boundary clearly shown and labelled.
 - C. Amendment areas clearly shown and labelled.
 - D. Contour features.
5. The following features should all be clearly identified:
 - A. Topsoil stockpiles (numbered and with volumes).
 - B. Settling ponds and sediment control structures.
 - C. Haul roads.
 - D. Pits identified by location, name, number, etc.
 - E. Ramps (numbered).
 - F. Out-of-pit spoil dumps.
 - G. All waste disposal sites including, but not limited to:
 1. Landfill sites.
 2. Carbonaceous waste dumps.
 - H. Diversion ditches.
 - I. Monitoring sites.
6. All areas to be affected by mining and reclamation in the coming year should be outlined and labelled.

Frank Filog

CONTINENTAL LIME INC. *LT/027/006*



May 7, 1987

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MAY 18 1987

**DIVISION OF
OIL, GAS & MINING**

Mr. Lowell P. Braxton
Administrator
Mineral Resource Development and
Reclamation Program
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

Dear Mr. Braxton:

Enclosed you will find the completed Annual Operation
and Progress Report for 1986.

If you have any questions, please advise.

Yours truly,
CONTINENTAL LIME INC.

Don Wakin

Don Wakin
Plant Manager

cc: Jack McGuirk
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